F21DG 2018/19 Project Deliverables

All reports should be submitted through Vision. All deadlines are hard.

- Deliverables 1, 2 and 3 are group deliverables and together make up 85% of your mark.
- Deliverable 4 is an individual reflective report and worth 15% of your overall mark.

Deliverable 1: Requirements Specification and Background Research

Percentage: 15%
Deadline: 9:00 Monday 11 February 2019
(start Week 6)

Provide a small deliverable stating what you will provide as group, i.e. your interpretation of the requirements you were given. You should cover:

- Background research of related systems including code that you are going to reuse.
- Requirements on the system and their consequences.
- Testing and evaluation strategy.
- Risk analysis for your system, something like a SWOT analysis.
- Management plan for the project including details of how you are managing the spread of the tasks across the team.

Deliverable 2: Open Source Project Delivery

Percentage: 70%
Deadline: 23:59 Friday 29 March 2019
(end Week 12)

All code should be open source. As such it should be documented, have an automated testing infrastructure (e.g. Jenkins integration), and be comprehensible not just to the original coder(s).

Please provide a project URL on GitHub or similar service. A commit hash should be stated for the purposes of timestamping the project version prior to the deadline.

The project should include a README page to explain to the public:

- context and scope of the project,
- background technology used,

- design and implementation decisions,
- how to set up the project, including
- dependencies and testing infrastructure.

Furthermore, the customer (geometrygeeks) wants to build on your project if they can, so you should help them. Include a possibly separate document in which you:

- explain what you have done,
- explain your design decisions and rationale,
- discuss any gotchas or problems relevant to moving the project forward into the future *(any stuff that David doesn't need to know about but I do, should go into Deliverable 4 the reflective report)*, and
- suggest opportunities for future work.

You can order these components in whatever order best suits your narrative.

If in doubt ask yourself:

"Does this documentation / code help geometrygeeks use this moving forward?".

If the answer is "yes" then you're good; if the answer is "maybe not" then perhaps improvement is required.

Deliverable 3: Project Presentation and Demonstration

Percentage: 0%
Deadline: Week 12

Give a presentation of the project, demonstrating your tool. Present will be your supervisor (Jamie) and the customer (David and hopefully Bob). Other staff may drop by but it will not be a research seminar.

Date and time of the seminar to be arranged. The presentation is expected to take place in week 11 or 12.

I have set the percentage of this presentation to 0%: after discussion with David we felt it would be more helpful to allow you to concentrate on explaining your deliverable to *us*, and that setting this up as a full-blown departmental research seminar might be an additional stressor on you, and be counterproductive.

Though Deliverable 3 is not marked directly, it is still very important because it is your one and only chance *in person and interactively* to talk; to (repeating myself here):

- demo the project,
- discuss what you have done,
- discuss your design decisions and rationale,

- discuss any gotchas or problems relevant to David moving the project forward into the future *(any stuff that David doesn't need to know about but I do, should go into Deliverable 4 the reflective report)*, and
- discuss opportunities for future work.

You can order these components in whatever order best suits your narrative.

Deliverable 4: Personal Reflective Report

Percentage: 15%
Deadline: 23:59 Sunday 31 March 2019

Personal reflection on the project, seminar, and group dynamics. Please cover:

- The system: what worked; what didn't?
- What you achieved and learned.
- What would you do differently?
- The dynamics and the internal management of the group.